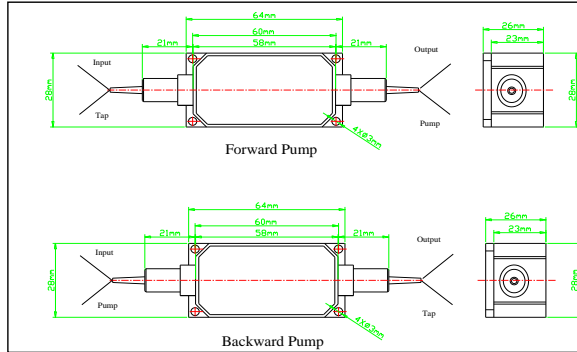


High Power SM Tap Coupler+Isolator+WDM Hybrid

The 1064/980 nm High Power SM Tap Coupler+Isolator+WDM Hybrid is a hybrid component built by SM fiber which provides function as a WDM with an optical isolator and a tap coupler integrated. Forward pump type and backward pump type are both available. It's widely used in EDFA systems. High Power handling is available upon request.



Features

- Low Insertion Loss
- Low PDL
- High Isolation
- High Power Available

Applications

- EDFA
- Fiber Amplifier
- Lab & Research

Performance Specification

| Parameter | Value | Unit |
|---|---|------------------------------|
| Signal Wavelength | 1064 (1020-1100) | nm |
| Pump Wavelength | 980 (970-990) | nm |
| Isolation @ 23°C, Signal Wavelength, all SOP for Com to Signal Port | ≥25 | dB |
| Wavelength Isolation | Signal Channel@Pump Wavelength for Signal to Com | ≥30 dB |
| | Pump Channel@Signal Wavelength for Pump to Com | ≥15 dB |
| Insertion Loss (0-70°C, all Sop) | Pump Channel@Pump Wavelength for Pump to Com | ≤0.8 dB |
| | Tap Channel@ Tap 1% | 19.2-22.0 dB |
| | Signal Wavelength Tap 2% for Signal to Tap Tap 5% | 16.2-18.0 dB 12.2-14.0 dB |
| Max. PDL | 0.2 | dB |
| Min. Return Loss | 50 | dB |
| Max. Optical Power (Continuous Wave) | 1, 3, 5, 10 or customized | W |
| Max. Tensile Load | 5 | N |
| Fiber Type | HI 1060 or customized | |
| Operating Temperature | 0 to +70 | °C |
| Storage Temperature | -40 to +85 | °C |
| Package Dimension | | mm |

Note

- * Connectors only CW 1W handling power guarantee.
- * For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.
- * For high power applications, IL will be 0.2dB higher, and for pulse applications please contact us to confirm details.
- * Specs subject to change without notice.

Ordering Information

HPTIWDM-AAAA/AAA-BB-CC-D-EE-FF-G-HH

| AAAA/AAA | BB | CC | D | EE | FF | HH |
|-----------------------|-------------------|--------------|-----------------|--------------|--------------|--------------|
| Wavelength | Fiber | Tap Ratio | Fiber Jacket | Fiber Length | Connector | Power |
| 1064/980 - T1064/R980 | H6 - HI1060 fiber | 01 - 1% | B - 250um Bare | 05 - 0.5m | NE - None | 01 - 1W |
| 1030/980 - T1030/R980 | SS - Specify | 02 - 2% | Fiber | 08 - 0.8m | FA - FC/APC | 03 - 3W |
| SSSS/SSS - Specify | | 05 - 5% | L - 900um Loose | 10 - 1.0m | FP - FC/PC | 05 - 5W |
| | | 10 - 10% | Tube | 15 - 1.5m | SA - SC/APC | 10 - 10W |
| | | 20 - 20% | | SS - Specify | SP - SC/PC | SS - Specify |
| | | SS - Specify | | | LA - LC/APC | |
| | | | | | LP - LC/PC | |
| | | | | | SS - Specify | |